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Substitution for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/577,179
				Filing Date	11/1/2004
				First Named Inventor	Virgil L. Woods
				Art Unit	1631
				Examiner Name	Unknown
Sheet 1 of 16				Attorney Docket Number	SDUC1160-1 (041673-3603)

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,762,785	08-09-1988	Comai	
	A2	5,451,513	09-19-1995	Maliga et al.	
	A3	5,545,817	08-13-1996	McBride et al.	
	A4	5,658,739	08-19-1997	Woods, Jr.	
	A5	6,291,189	09-18-2001	Woods, Jr.	
	A6	6,331,400	12-18-2001	Woods, Jr.	
	A7	6,599,707	07-29-2003	Woods, Jr.	

## UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

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	A8	Altmann et al., "Pathways and Intermediates in Forced Unfolding of Spectrin Repeats", Structure (Camb), 10:1085-1096, 2002	
	A9	Bai et al., "Thermodynamic Parameters from Hydrogen Exchange Measurements", Methods Enzymol., 259:344, 1995	

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	A10	Bai et al., "Primary Structure Effects on Peptide Group Hydrogen Exchange", Proteins: Structure, Function, and Genetics 17:75-86, 1993	
	A11	Baldwin, "Temperature Dependence of the Hydrophobic Interaction in Protein Folding", Proc Natl Acad Sci USA, 83:8069-72, 1986	
	A12	Beasty et al., "Characterization of an Early Intermediate in the Folding of the $\alpha$ Subunit of Tryptophan Synthase by Hydrogen Exchange Measurement", Biochemistry, 24:3547-3553, 1985	
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	A15	Breddam, "Serine Carboxypeptidases. A Review", Carlsberg Res. Commun., 51:83-128, 1986	
	A16	Burz et al., "Mapping Structural Perturbations in Escherichia Coli Aspartate Transcarbamylase by Medium Resolution Hydrogen Exchange", Biophys. J., 49:70-72, 1986	
	A17	Chen et al., "Probing the ligand binding domain of the GluR2 receptor by proteolysis and deletion mutagenesis defines domain boundaries and yields a crystallizable construct", Protein Science, 7:2623-2630, 1998	
	A18	Chung et al., "Hydrogen exchange properties of proteins in native and denatured states monitored by mass spectrometry and NMR", Protein Sci., 6:1316-24, 1997	
	A19	Cohen et al., "Probing the solution structure of the DNA-binding protein Max by a combination of proteolysis and mass spectrometry", Protein Science, 4:1088-1099, 1995	

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	A20	<del>Connelly et al., "Isotope Effects in Peptide Group Hydrogen Exchange", Proteins: Struct. Funct. Genet., 17:87-92</del>  publication date not provided		
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	A23	Dharmasiri and Smith, "Mass Spectrometric Determination of Isotopic Exchange Rates of Amide Hydrogens Located on the Surfaces of Proteins", Anal. Chem., 68:2340-2344, 1996		
	A24	Dunker et al., "Protein Disorder and the Evolution of Molecular Recognition: Theory, Predictions and Observations", Pac. Symp. Biocomput., 3:473-484, 1998		
	A25	Engen et al., "Investigating Protein Structure and Dynamics by Hydrogen Exchange MS", Analytical Chemistry, 73:256A-265A, 2001		
	A26	Englander et al., "Protein hydrogen exchange studied by the fragment separation method", Anal. Biochem., 147:234-244, 1985		

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	A27	Englander et al., "Hydrogen-Tritium Exchange Survey of Allosteric Effects in Hemoglobin", Biochem., 26:1846-1850, 1987		
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	A29	Englander et al., "Hydrogen-Tritium Exchange of the Random Chain Polypeptide", Biopolymers, 7:379-393, 1969		
	A30	Englander et al., "Hydrogen Exchange Studies of Respiratory Proteins", J. Biol Chem., 248:4852-4861, 1973		
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	A33	Englander et al., "Hydrogen-Tritium Exchange", Methods Enzymol., 49:24-39, 1978		

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				Filing Date	11/1/2004
				First Named Inventor	Virgil L. Woods
				Art Unit	1631
				Examiner Name	Unknown
				Attorney Docket Number	SDUC1160-1 (041673-3603)
Sheet	8	of	16		

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Sheet	12	of	16		

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				1631	
				<b>Examiner Name</b>	
				Unknown	
				<b>Attorney Docket Number</b>	
				SDUC1160-1 (041673-3603)	
(use as many sheets as necessary)					
Sheet	15	of	16		

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	A104	Winger et al., "Probing Qualitative Conformation Differences of Multiply Protonated Gas-Phase Proteins via H/D Isotopic Exchange with D <sub>2</sub> O", J. Am. Chem. Soc., 114:5897-5989, 1992		
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Examiner Signature	/Eric Dejong/	Date Considered	01/02/2011
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				Application Number	10/577,179
				Filing Date	11/1/2004
				First Named Inventor	Virgil L. Woods
				Art Unit	1631
				Examiner Name	Unknown
Sheet	16	of	16	Attorney Docket Number	SDUC1160-1 (041673-3603)

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	A111	Yan et al., "Hydrogen/deuterium exchange and mass spectrometric analysis of a protein containing multiple disulfide bonds: Solution structure of recombinant macrophage colony stimulating factor-beta (rhM-CSF $\beta$ )", Protein Sci., 11:2113-24, 2002		
	A112	Yan et al., "Crystal Structure of the Repetitive Segments of Spectrin", Science, 262:2027-2030, 1993		
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